

Amendment to the Specification

On pages 2-3, please amend paragraphs [0005]-[0007] as follows:

[0005] The present invention addresses the above-mentioned problems as well as others, by providing parallel implementation of a TCP sender (i.e., transmission system) comprising a transmit request handler and a transmitter. In a first aspect, the invention provides a transmission control protocol (TCP) transmission system, comprising: a transmit request handler that receives request events, and either schedules ~~a connection~~ in a ready queue or places ~~the connection~~ in a pending queue a connection establishment; and a transmitter that operates in parallel with the transmit request handler, wherein the transmitter dequeues the connection establishment ~~connections~~ from the ready queue and prepares packets for transmission.

[0006] In a second aspect, the invention provides a method for transmitting packets in a transfer control protocol (TCP) environment, comprising: submitting a request event to a transmit request handler; processing the request event in the transmit request handler to either schedule ~~a connection~~ in a ready queue or places ~~the connection~~ in a pending queue a connection establishment; providing a transmitter that operates in parallel with the transmit request handler; and utilizing the transmitter to dequeue the connection establishment ~~connections~~ from the ready queue and prepare packets for transmission.

[0007] In a third aspect, the invention provides a system for transmitting packets in a transfer control protocol (TCP) environment, comprising: a connection context for storing event information; a transmit request handler that receives request events, records the event information into the connection context and either schedules ~~a connection~~ in a ready queue or places ~~the connection~~ in a pending queue a connection establishment; a transmitter that operates in parallel with the transmit request handler, wherein the transmitter dequeues ~~connections~~ the

connection establishment from the ready queue and prepares packets for transmission based on event information stored in the connection context; and a queue manager for moving ~~connections~~ the connection establishment from the pending queue to the ready queue.